Author index to volume 270

Abello, J., C. Roche, J.-C. Cuber, C. Bernard, J. Philippe and J.-A. Chayvialle, Characterization of muscarinic acetylcholine receptors on the rat pancreatic gastrin-producing cell line B6 RIN 270 (1990) 37
Akanuma, Y. see M. Shibasaki 270 (1990) 105
Alakhov, Yu.B. see S.Yu. Ovodov 270 (1990) 111
Aleksandrov, A.Yu. see B.K. Semin 270 (1990) 184
Aoike, A. see N. Marui 270 (1990) 15
Arata, Y. see R. Teshima 270 (1990) 115
Asano, T. see M. Shibasaki 270 (1990) 105

Barton, P.J.R. see W.J. Vallins 270 (1990) 57
Basov, A.S. see S.N. Korolkov 270 (1990) 132
Becerra, S.P., G.M. Clore, A.M. Gronenborn, A.R. Karlström, S.J. Stahl, S.H. Wilson and P.T. Wingfield, Purification and characterization of the RNase H domain of HIV-1 reverse transcriptase expressed in recombinant *Escherichia coli* 270 (1990) 76
Beck, G. see C. Seiser 270 (1990) 123
Beebee, T.J.C. see A.F. Skidmore 270 (1990) 67
Benner, S.A. see C.H. Schein 270 (1990) 229
Bernard, C. see J. Abello 270 (1990) 37
Berndt, P. see K.N. Myasoedova 270 (1990) 177
Bertina, R.M. see M.J. Reijnen 270 (1990) 207
Binnie, C.G., B.W. Erickson and J. Hermans, Inhibition of thrombin by synthetic hirudin peptides 270 (1990) 85
Birkenhäger, J.C. see J.P.T.M. van Leeuwen 270 (1990) 165
Boelens, H. see G.A. Veldink 270 (1990) 135
Bolz, R. see H. Matern 270 (1990) 11
Borbély, G. see T.A. Teklemariam 270 (1990) 211
Boyer, P.D. see K.J. Guerrero 270 (1990) 187
Brach, M.A. see L. Mantovani 270 (1990) 152
Brand, N.J. see W.J. Vallins 270 (1990) 57
Brix, O. see B. Giardina 270 (1990) 173
Brown, I.I., S.I. Fadeyev, I.I. Kirik, I.I. Severina and V.P. Skulachev, Light-dependent $\Delta\tilde{\mu}$Na-generation and utilization in the marine cyanobacterium *Oscillatoria brevis* 270 (1990) 203
Bryan, J. see C.S. Redwood 270 (1990) 53
Bülow, L. see M. Persson 270 (1990) 41
Butler-Browne, G. see W.J. Vallins 270 (1990) 57
Buurman, C.J. see J.P.T.M. van Leeuwen 270 (1990) 165

Capps, K.M. see J. Woodward 270 (1990) 143
Carmichael, J.S. see J. Woodward 270 (1990) 143
Carrier, F. see C.F.B. Holmes 270 (1990) 216
Chayvialle, J.-A. see J. Abello 270 (1990) 37
Chekhovskaya, I.A. see N.I. Kiyatkin 270 (1990) 127
Chunaev, A.S. see S.N. Korolkov 270 (1990) 132
Clementi, M.E. see Giardina, B. 270 (1990) 173
Clore, G.M. see S.P. Becerra 270 (1990) 76
Cockcroft, V.B. see J.M. Ward 270 (1990) 45
Colilla, F.J., A. Rocher and E. Mendez, γ-Purothionins: amino acid sequence of two polypeptides of a new family of thionins from wheat endosperm 270 (1990) 191
Condo, M.E.C. andS.G. see B. Giardina 270 (1990) 173
Corda, M. see B. Giardina 270 (1990) 173
Criado, M., M. Koenen and B. Sakmann, Assembly of an adult type acetylcholine receptor in a mouse cell line transfected with rat muscle ε-subunit DNA 270 (1990) 95
Cross, R.A. see C.S. Redwood 270 (1990) 53
Cuber, J.-C. see J. Abello 270 (1990) 37
Cuezva, J.M., J.F. Santarén, P. González, C. Valcarce, A.M. Luis and J.M. Izquierdo, Immunological detection of the mitochondrial F_1-ATPase α subunit in the matrix of rat liver peroxisomes: A protein involved in organelle biogenesis? 270 (1990) 71

Dabhade, N. see W.J. Vallins 270 (1990) 57
Deák, Z. see T.A. Teklemariam 270 (1990) 211
Demeter, S. see T.A. Teklemariam 270 (1990) 211
Dulubova, I.E. see N.I. Kiyatkin 270 (1990) 127
Dumler, I.L. see S.N. Korolkov 270 (1990) 132

Ehler, L.L. see K.J. Guerrero 270 (1990) 187
Eismann, E. see J. Ludwig 270 (1990) 24
Ekkel, S.M. see D. Nero 270 (1990) 62
Elders, M.J. see L.-M. Hu 270 (1990) 100
Elie, D. see J.A. Tabcharani 270 (1990) 157
Erickson, B.W. see C.G. Binnie 270 (1990) 85
Eulitz, M. see E. Fink 270 (1990) 222

Fadeyev, S.I. see I.I. Brown 270 (1990) 203
Fibach, E. see S.A. Rabia 270 (1990) 9
Fink, E., C. Hehlein-Fink and M. Eulitz, Amino acid sequence elucidation of human acrosin-trypsin inhibitor (HUSI-II) reveals that Kazal-type proteinase inhibitors are structurally related to β-subunits of glycoprotein hormones 270 (1990) 222
Fisher, D. see H. Walter 270 (1990) 1
Florentz, C. see V. Perret 270 (1990) 4
Flučkiger, R. see G.A. Veldink 270 (1990) 135
Folkesson, R. see T. Geijer 270 (1990) 30
Fukushima, M. see N. Marui 270 (1990) 15

Gallop, P.M. see G.A. Veldink 270 (1990) 135
Garnovskaya, M.N. see S.N. Korolkov 270 (1990) 132
Gatt, S. see S.A. Rabia 270 (1990) 9
Geijer, T., R. Folkesson, J.F. Rehfeld and H.-J. Monstein, Expression of the cholecystokinin gene in a human (small-cell) lung carcinoma cell-line 270 (1990) 30
Giardina, B., M. Corda, M.G. Pellegrini, M.T. Sanna, O. Brix, M.E. Clementi and S.G. Condo, Flight and heat dissipation in birds: A possible molecular mechanism 270 (1990) 173
Giegé, R. see V. Perret 270 (1990) 4
Giusti, P. see L. Re 270 (1990) 195
González, P. see J.M. Cuezva 270 (1990) 71
Grasso, D.G. see D. Nero 270 (1990) 62
Green, J. see A.D. Sharrocks 270 (1990) 119
Grishin, E.V. see N.I. Kiyatkin 270 (1990) 127
Gronenborn, A.M. see S.P. Becerra 270 (1990) 76
Gudz, T.I. see S.A. Novgorodov 270 (1990) 108
Guerrero, K.J., L.L. Ehler and P.D. Boyer, Guanosine and formycin triphosphates bind at non-catalytic nucleotide binding sites of CF_1 ATPase and inhibit ATP hydrolysis 270 (1990) 187
Guest, J.R. see A.D. Sharrocks 270 (1990) 119

Hanrahan, J.W. see J.A. Tabcharani 270 (1990) 157
Hansen, C.A. see L. Koenderman 270 (1990) 49
Hatano, T. see K. Ohkawa 270 (1990) 19
Haugg, M. see C.H. Schein 270 (1990) 229
Hederstedt, L. see C. von Wachenfeldt 270 (1990) 147
Hehlein-Fink, C. see E. Fink 270 (1990) 222

Published by Elsevier Science Publishers B.V. (Biomedical Division)
00145793/90/$3.50 © 1990 Federation of European Biochemical Societies

Heilmann, P. see H. Weber 270 (1990) 90
Henschler, R. see L. Mantovani 270 (1990) 152
Hermans, J. see C.G. Binnie 270 (1990) 85
Herrmann, F. see L. Mantovani 270 (1990) 152
Herrmann, P.C. see J. Woodward 270 (1990) 143
Hodgson, H. see C. Selden 270 (1990) 81
Holmes, C.F.B., H.A. Luu, F. Carrier and F.J. Schmitz, Inhibition of protein phosphatases-1 and -2A with acanthifolicin: Comparison with diarrhetic shellfish toxins and identification of a region on okadaic acid important for phosphatase inhibition 270 (1990) 216
Hooybrink, B. see L. Koenderman 270 (1990) 49
Hori, M. see M.G. Tansey 270 (1990) 219
Hosokawa, N. see N. Marui 270 (1990) 15
Hu, L.-M., S.F. Kemp, C.-F. Peng, M.J. Elders and W.G. Smith, Effects of dideoxyforskolin on proteoglycan synthesis and structure in embryonic chick chondrocyte cultures 270 (1990) 100

Ikebuchi, H. see R. Teshima 270 (1990) 115
Izquierdo, J.M. see J.M. Cuezva 270 (1990) 71
Izumiya, N. see Y. Kitajima 270 (1990) 139

Jones, M. see C. Selden 270 (1990) 81
Jones, R. see R.M. Williams 270 (1990) 168

Kajio, H. see M. Shibasaki 270 (1990) 105
Kamm, K.E. see M.G. Tansey 270 (1990) 219
Karaki, H. see M.G. Tansey 270 (1990) 219
Karlström, A.R. see S.P. Becerra 270 (1990) 76
Kaupp, U.B. see J. Ludwig 270 (1990) 24
Kaurov, Yu.N. see B.K. Semin 270 (1990) 184
Kawai, K. see N. Marui 270 (1990) 15
Kemp, S.F. see L.-M. Hu 270 (1990) 100
Kendrick-Jones, J. see C.S. Redwood 270 (1990) 53
Kim, H.-S. see U.-H. Kim 270 (1990) 33
Kim, U.-H., H.-S. Kim and S.G. Rhee, Epidermal growth factor and platelet-derived growth factor promote translocation of phospholipase C-γ from cytosol to membrane 270 (1990) 33
Kirik, I.I. see I.I. Brown 270 (1990) 203
Kitajima, Y., M. Waki, J. Shoji, T. Ueno and N. Izumiya, Revised structure of the peptide lactone antibiotic, TL-119 and/or A-3302-B 270 (1990) 139
Kiyatkin, N.I., I.E. Dulubova, I.A. Chekhovskaya and E.V. Grishin, Cloning and structure of cDNA encoding α-latrotoxin from black widow spider venom 270 (1990) 127
Koenderman, L., A.T.J. Tool, B. Hooybrink, D. Roos, C.A. Hansen, J.R. Williamson and A.J. Verhoeven, Adherence of human neutrophils changes Ca^{2+} signaling during activation with opsonized particles 270 (1990) 49
Koenen, M. see M. Criado 270 (1990) 95
Korolkov, S.N., M.N. Garnovskaya, A.S. Basov, I.L. Dumler and A.S. Chunaev, The detection and characterization of G-proteins in the eyespot of *Chlamydomonas reinhardtii* 270 (1990) 132
Kotler, M. see S.A. Rabia 270 (1990) 9
Kudrjashov, Yu.B. see S.A. Novgorodov 270 (1990) 108
Kurozumi, K., T. Murayama and Y. Nomura, Generation of inositol phosphates, cytosolic Ca^{2+}, and secretion of noradrenaline in PC12 cells treated with glutamate 270 (1990) 225
Kushnareva, Yu.E. see S.A. Novgorodov 270 (1990) 108

Lancet, D. see J. Ludwig 270 (1990) 24
Lee, N.E. see J. Woodward 270 (1990) 143
Lindemann, A. see L. Mantovani 270 (1990) 152
Loviagina, E.R. see B.K. Semin 270 (1990) 184
Low, W. see J.A. Tabcharani 270 (1990) 157
Lübbert, M. see L. Mantovani 270 (1990) 152
Ludwig, J., T. Margalit, E. Eismann, D. Lancet and U.B. Kaupp, Primary structure of cAMP-gated channel from bovine olfactory epithelium 270 (1990) 24
Luis, A.M. see J.M. Cuezva 270 (1990) 71
Lundberg, G.A. and P.C. Newell, Membrane-associated phosphoinositidase C activity in *Dictyostelium discoideum* 270 (1990) 181
Lunt, G.G. see J.M. Ward 270 (1990) 45
Luu, H.A. see C.F.B. Holmes 270 (1990) 216

Maccarrone, M. see G.A. Veldink 270 (1990) 135
MacKintosh, C. see G. Siegl 270 (1990) 198
Maier, K.L. see H. Weber 270 (1990) 90
Mantovani, L., R. Henschler, M.A. Brach, R. Wieser, M. Lübbert, A. Lindemann, R.H. Mertelsmann and F. Herrmann, Differential regulation of interleukin-6 expression in human fibroblasts by tumor necrosis factor-α and lymphotoxin 270 (1990) 152
Margalit, T. see J. Ludwig 270 (1990) 24
Marschall, H. -U. see H. Matern 270 (1990) 11
Marston, S.B. see C.S. Redwood 270 (1990) 53
Marui, N., T. Sakai, N. Hosokawa, M. Yoshida, A. Aoike, K. Kawai, H. Nishino and M. Fukushima, N-*myc* suppression and cell cycle arrest at G_1 phase by prostaglandins 270 (1990) 15
Matern, H., R. Bolz, H. -U. Marschall, J. Sjövall and S. Matern, Bile acid *N*-acetylglucosaminides: Formation by microsomal *N*-acetylglucosaminyltransferases in human liver and kidney 270 (1990) 11
Matern, S. see H. Matern 270 (1990) 11
Matsuda, M. see K. Ohkawa 270 (1990) 19
Mendez, E. see F.J. Colilla 270 (1990) 191
Mertelsmann, R.H. see L. Mantovani 270 (1990) 152
Meyer, B. see H. Weber 270 (1990) 90
Miyagawa, T. see R. Teshima 270 (1990) 115
Monstein, H.-J. see T. Geijer 270 (1990) 30
Moretti, V. see L. Re 270 (1990) 195
Mosbach, K. see M. Persson 270 (1990) 41
Murayama, T. see K. Kurozumi 270 (1990) 225
Myasoedova, K.N. and P. Berndt, Immobilized cytochrome $P\text{-}450_{LM_2}$: Dissociation and reassociation of oligomers 270 (1990) 177

Nagley, P. see D. Nero 270 (1990) 62
Nakanishi, M. see R. Teshima 270 (1990) 115
Nero, D., S.M. Ekkel, L.-F. Wang, D.G. Grasso and P. Nagley, Site directed mutagenesis of subunit 8 of yeast mitochondrial ATP synthase: Functional and import properties of a series of C-terminally truncated forms 270 (1990) 62
Newell, P.C. see G.A. Lundberg 270 (1990) 181
Nishino, H. see N. Marui 270 (1990) 15
Nomura, Y. see K. Kurozumi 270 (1990) 225
Novakova, A.A. see B.K. Semin 270 (1990) 184
Novgorodov, S.A., T.I. Gudz, Yu.E. Kushnareva, D.B. Zorov and Yu.B. Kudrjashov, Effect of cyclosporine A and oligomycin on non-specific permeability of the inner mitochondrial membrane 270 (1990) 108

Ohkawa, K., K. Takada, N. Takizawa, T. Hatano, Y. Tsukada and M. Matsuda, Clear cell carcinoma of the human ovary synthesizes and secretes a transferrin with microheterogeneity of lectin affinity 270 (1990) 19
Oka, Y. see M. Shibasaki 270 (1990) 105

Ovodov, S.Yu. and Yu.B. Alakhov, mRNA acetylated at 2′-OH-groups of ribose residues is functionally active in the cell-free translation system from wheat embryos 270 (1990) 111

Paz, M.A. see G.A. Veldink 270 (1990) 135
Pellegrini, M.G. see B. Giardina 270 (1990) 173
Peng, C.-F. see L.-M. Hu 270 (1990) 100
Perret, V., C. Florentz and R. Giegé, Efficient aminoacylation of a yeast $tRNA^{Asp}$ transcript with a 5′ extension 270 (1990) 4
Persson, M., L. Bülow and K. Mosbach, Purification and site-specific immobilization of genetically engineered glucose dehydrogenase on Thiopropyl-Sepharose 270 (1990) 41
Philippe, J. see J. Abello 270 (1990) 37
Pols, H.A.P. see J.P.T.M. van Leeuwen 270 (1990) 165

Rabia, S.A., E. Fibach, M. Kotler and S. Gatt, Inactivation of vesicular stomatitis virus by photosensitization following incubation with a pyrene-fatty acid 270 (1990) 9
Re, L., V. Moretti, L. Rossini and P. Giusti, Sodium-activated potassium current in mouse diaphragm 270 (1990) 195
Redwood, C.S., S.B. Marston, J. Bryan, R.A. Cross and J. Kendrick-Jones, The functional properties of full length and mutant chicken gizzard smooth muscle caldesmon expressed in *Escherichia coli* 270 (1990) 53
Rehfeld, J.F. see T. Geijer 270 (1990) 30
Reitsma, P.H. see M.J. Reijnen 270 (1990) 207
Reijnen, M.J., R.M. Bertina and P.H. Reitsma, Localization of transcription initiation sites in the human coagulation factor IX gene 270 (1990) 207
Rhee, S.G. see U.-H. Kim 270 (1990) 33
Roche, C. see J. Abello 270 (1990) 37
Rocher, A. see F.J. Colilla 270 (1990) 191
Roos, D. see L. Koenderman 270 (1990) 49
Rossini, L. see L. Re 270 (1990) 195

Sakai, T. see N. Marui 270 (1990) 15
Sakmann, B. see M. Criado 270 (1990) 95
Sanna, M.T. see B. Giardina 270 (1990) 173
Santarén, J.F. see J.M. Cuezva 270 (1990) 71
Schein, C.H., M. Haugg and S.A. Benner, Interferon-γ activates the cleavage of double-stranded RNA by bovine seminal ribonuclease 270 (1990) 229
Schilte, J.P. see J.P.T.M. van Leeuwen 270 (1990) 165
Schmitz, F.J. see C.F.B. Holmes 270 (1990) 216
Seiser, C., G. Beck and E. Wintersberger, The processed pseudogene of mouse thymidine kinase is active after transfection 270 (1990) 123
Selden, C., M. Jones, D. Wade and H. Hodgson, Hepatotropin mRNA expression in human foetal liver development and in liver regeneration 270 (1990) 81
Semin, B.K., E.R. Loviagina, A.Yu. Aleksandrov, Yu.N. Kaurov and A.A. Novakova, Effect of formate on Mössbauer parameters of the non-heme iron of PS II particles of cyanobacteria 270 (1990) 184
Severina, I.I. see I.I. Brown 270 (1990) 203
Sharrocks, A.D., J. Green and J.R. Guest, In vivo and in vitro mutants of FNR the anaerobic transcriptional regulator of *E. coli* 270 (1990) 119
Shibasaki, M., Y. Shibasaki, T. Asano, H. Kajio, Y. Akanuma, F. Takaku and Y. Oka, Overexpression of glucose transporter modulates insulin biosynthesis in insulin producing cell line 270 (1990) 105
Shibasaki, Y. see M. Shibasaki 270 (1990) 105
Shoji, J. see Y. Kitajima 270 (1990) 139
Siegl, G., C. MacKintosh and M. Stitt, Sucrose-phosphate synthase is dephosphorylated by protein phosphatase 2A in spinach leaves: Evidence from the effects of okadaic acid and microcystin 270 (1990) 198
Sjövall, J. see H. Matern 270 (1990) 11
Skidmore, A.F. and T.J.C. Beebee, Rat lactate dehydrogenase A and B subunit concentrations are not regulated by mRNA abundance in liver and heart 270 (1990) 67
Skulachev, V.P. see I.I. Brown 270 (1990) 203
Smillie, F.S. see J.M. Ward 270 (1990) 45
Smith, W.G. see L.-M. Hu 270 (1990) 100
Stahl, S.J. see S.P. Becerra 270 (1990) 76
Stitt, M. see G. Siegl 270 (1990) 198
Stull, J.T. see M.G. Tansey 270 (1990) 219
Surányi, G. see T.A. Teklemariam 270 (1990) 211

Tabcharani, J.A., W. Low, D. Elie and J.W. Hanrahan, Low-conductance chloride channel activated by cAMP in the epithelial cell line T_{84} 270 (1990) 157
Takada, K. see K. Ohkawa 270 (1990) 19
Takaku, F. see M. Shibasaki 270 (1990) 105
Takizawa, N. see K. Ohkawa 270 (1990) 19
Tansey, M.G., M. Hori, H. Karaki, K.E. Kamm and J.T. Stull, Okadaic acid uncouples myosin light chain phosphorylation and tension in smooth muscle 270 (1990) 219
Teklemariam, T.A., S. Demeter, Z. Deák, G. Surányi and G. Borbély, AS-1 cyanophage infection inhibits the photosynthetic electron flow of photosystem II in *Synechococcus* sp. PCC 6301, a cyanobacterium 270 (1990) 211
Terao, T. see R. Teshima 270 (1990) 115
Teshima, R., H. Ikebuchi, T. Terao, T. Miyagawa, Y. Arata and M. Nakanishi, A single cell observation of staurosporine effect on the Ca^{2+} signals in rat basophilic leukemia cells 270 (1990) 115
Tilcock, C. see H. Walter 270 (1990) 1
Tool, A.T.J. see L. Koenderman 270 (1990) 49
Tsukada, Y. see K. Ohkawa 270 (1990) 19

Ueno, T. see Y. Kitajima 270 (1990) 139

Valcarce, C. see J.M. Cuezva 270 (1990) 71
Vallins, W.J., N.J. Brand, N. Dabhade, G. Butler-Browne, M.H. Yacoub and P.J.R. Barton, Molecular cloning of human cardiac troponin I using polymerase chain reaction 270 (1990) 57
Van der Lecq, F. see G.A. Veldink 270 (1990) 135
Van Leeuwen, J.P.T.M., J.C. Birkenhäger, C.J. Buurman, J.P. Schilte and H.A.P. Pols, Functional involvement of calcium in the homologous up-regulation of the 1,25-dihydroxyvitamin D_3 receptor in osteoblast-like cells 270 (1990) 165
Veldink, G.A., H. Boelens, M. Maccarrone, F. van der Lecq, J.F.G. Vliegenthart, M.A. Paz, R. Fluckiger and P.M. Gallop, Soybean lipoxygenase-1 is not a quinoprotein 270 (1990) 135
Verhoeven, A.J. see L. Koenderman 270 (1990) 49
Vliegenthart, J.F.G. see G.A. Veldink 270 (1990) 135
Von Wachenfeldt, C. and L. Hederstedt, *Bacillus subtilis* holo-cytochrome *c*-550 can be synthesised in aerobic *Escherichia coli* 270 (1990) 147

Wade, D. see C. Selden 270 (1990) 81
Waki, M. see Y. Kitajima 270 (1990) 139
Walter, H., D. Fisher and C. Tilcock, On the relation between surface area and partitioning of particulates in two-polymer aqueous phase systems 270 (1990) 1
Wang, L.-F. see D. Nero 270 (1990) 62

Ward, J.M., V.B. Cockcroft, G.G. Lunt, F.S. Smillie and S. Wonnacott, Methyllycaconitine: a selective probe for neuronal α-bungarotoxin binding sites 270 (1990) 45
Weber, H., P. Heilmann, B. Meyer and K.L. Maier, Effect of canine surfactant protein (SP-A) on the respiratory burst of phagocytic cells 270 (1990) 90
Wieser, R. see L. Mantovani 270 (1990) 152
Williams, R.M. and R. Jones, Specific binding of sulphated polymers to ram sperm proacrosin 270 (1990) 168
Williamson, J.R. see L. Koenderman 270 (1990) 49
Wilson, S.H. see S.P. Becerra 270 (1990) 76
Wingfield, P.T. see S.P. Becerra 270 (1990) 76
Wintersberger, E. see C. Seiser 270 (1990) 123
Wonnacott, S. see J.M. Ward 270 (1990) 45
Woodward, J., J.S. Carmichael, K.M. Capps, P.C. Herrmann and N.E. Lee, The competitive inhibition of *Trichoderma reesei* C30 cellobiohydrolase I by guanidine hydrochloride 270 (1990) 143

Yacoub, M.H. see W.J. Vallins 270 (1990) 57
Yoshida, M. see N. Marui 270 (1990) 15

Zorov, D.B. see S.A. Novgorodov 270 (1990) 108